GOVERNMENT OF INDIA
RAILWAYS
LOK SABHA

UNSTARRED QUESTION NO:814
ANSWERED ON:22.11.2001
ANTI-COLLISION DEVICE
ASHOK NAMDEORAO MOHOL;BHUPENDRASINH PRABHATSINH SOLANKI;JAYABEN B. THAKKAR;M. JAGANNATH;RAM JEEVAN SINGH

Will the Minister of RAILWAYS be pleased to state:

(a) whether Konkan Railway has developed a device which prevents collision between trains;

(b) if so, the main features of the device;

(c) whether the Government propose to introduce such a device on both goods and passengers trains to augment safety measures;

(d) whether this new device has been tested, verified and examined by the Railway Technical know-hows; and

(e) if so, the observations in this regard?

Answer

MINISTER OF STATE IN THE MINISTRY OF RAILWAYS AND MINISTRY OF PARLIAMENTARY AFFAIRS (SHRI O. RAJAGOPAL)

(a) Yes, Sir.

(b) Anti-collision Device (ACDs) are microprocessor based communication devices, fitted onlocomotives & brake vans or located in stations & level crossings. These give distinct identification to the locomotives & brake vans and using the global positioning system and angular deviation count principle, detect `collision like` situation and initiate application of brakes in the locomotives in a range of 3 Kms. the ACD also help in detecting train partings and initiate warning signals at level crossings.

(c) to (e) The device is under extended field trials on the railways to establish suitability, reliability, maintainability and integrity of working. After assessment of the results of field trials and necessary modifications, the device would be considered for installation on trains, taking into account cost implications and subject to availability of funds.